

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G01R33/28 G01R33/422 H05K9/00 G12B17/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R G12B H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, INSPEC, MEDLINE, EMBASE, COMPENDEX, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/001572 A1 (LEUSSLER CHRISTOPH GUENTHER) 2 January 2003 (2003-01-02)	1-6, 10, 15-17, 21
Y	paragraphs '0007!', '0032!', '0048! - '0050!; figure 1	7-9, 11
Y	US 2001/024121 A1 (KURIHARA HIROSHI ET AL) 27 September 2001 (2001-09-27)	7, 9
Y	paragraph '0004! - paragraph '0012!	
Y	EP 0 864 673 A (TEN CO. LTD) 16 September 1998 (1998-09-16)	8
Y	column 2, line 23 - line 26	
Y	EP 0 880 311 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 25 November 1998 (1998-11-25)	11
	page 3, line 21 - line 24	
	page 10, line 48 - line 53	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

28 January 2005

Date of mailing of the international search report

07/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 217 383 A (GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY LLC) 26 June 2002 (2002-06-26)	21
A	paragraph '0032! - paragraph '0034! -----	1,16
A	US 2003/016518 A1 (ARZ WINFRIED) 23 January 2003 (2003-01-23)	1
	paragraphs '0005!, '0013!, '0024! -----	
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) & JP 2002 263080 A (HITACHI MEDICAL CORP), 17 September 2002 (2002-09-17) abstract -----	1,21

Information on patent family members

International Application No  
/IB2004/052177

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003001572	A1	02-01-2003	DE 10107867 A1 EP 1233279 A2 JP 2002306453 A	05-09-2002 21-08-2002 22-10-2002
US 2001024121	A1	27-09-2001	JP 2001274588 A	05-10-2001
EP 0864673	A	16-09-1998	JP 10259557 A EP 0864673 A2	29-09-1998 16-09-1998
EP 0880311	A	25-11-1998	DE 69728650 D1 EP 0880311 A1 JP 3176636 B2 US 6249006 B1 WO 9815161 A1	19-05-2004 25-11-1998 18-06-2001 19-06-2001 09-04-1998
EP 1217383	A	26-06-2002	US 2002079894 A1 EP 1217383 A2 JP 2002263081 A	27-06-2002 26-06-2002 17-09-2002
US 2003016518	A1	23-01-2003	DE 10134539 A1	13-02-2003
JP 2002263080	A	17-09-2002	NONE	